

84747

Application No. \_\_\_\_\_

*Second Amended*  
**APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC  
WATERS OF THE STATE OF NEVADA**

## THIS SPACE FOR OFFICE USE ONLY

Date of Filing in State Engineer's Office MAR 25 2015

Returned to applicant for correction \_\_\_\_\_

Corrected Application filed \_\_\_\_\_ Map filed MAR 25 2015The applicant Anova Metals USA LLC.
1001 SW 5th Ave., Suite 1100 of Portland  
Street Address or P.O. Box City or Town
OR 97204 hereby make(s) application for permission to appropriate the  
State and ZIP Code

public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.)

Incorporated on April 21, 2011 in Oregon

1. The source of water is underground  
Name of the stream, lake, underground, spring or other sources.

2. The amount of water applied for is 1.0 cubic foot per second, not to exceed 350 acre-feet per year  
One second foot equals 448.83 gallons per minute.

(a) If stored in a reservoir give the number of acre-feet \_\_\_\_\_

3. The water is to be used for Mining, Milling and Dewatering  
Irrigation, power, mining, commercial, domestic or other use. Must be limited to one major use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated \_\_\_\_\_

(b) Stockwater, state number and kind of animals \_\_\_\_\_

(c) Other use (describe fully in No. 12) \_\_\_\_\_

(d) Power:

(1) Horsepower developed \_\_\_\_\_

(2) Point of return of water to stream \_\_\_\_\_

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5. The water is to be diverted from its source at the following point: (Describe as being within a 40-acre subdivision of public survey, and by course and distance to a found section corner. If on unsurveyed land, it should be so stated.)

Within the SW 1/4 of the SW 1/4 of Section 1, T.42N., R.53E., MDB&M, from which the SE corner of Section 31 T.43N., R.54E., MDB&M, from which the SE corner of Section 31, T. 43 N., R. 54 E. bears North 69 degrees 31'31" East a distance of 11,773.07 feet as shown on the map accompanying this application.

6. Place of use: (Describe by legal subdivision. If on unsurveyed land, it should be so stated)

As shown on the map accompanying this application, and as further described on Attachment A.

7. Use will begin about January 1 and end about December 31 of each year.  
Month and Day Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) (State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with a pump and motor, etc.)

A pump, piping and water tank.

9. Estimated cost of works: \$50,000

10. Estimated time required to construct works: One year

(If the well is complete, describe works.)

11. Estimated time required to complete the application of water to beneficial use: Two years

12. Provide a detailed description of the proposed project and its water usage (use attachments if necessary): (Failure to provide a detailed description may cause a delay in processing.)

See Attachment B.

13. Miscellaneous remarks:

The proposed point of diversion is a sump at the bottom of a proposed open-pit mine. Surface drainage and alluvial groundwater will be diverted around the pit. The estimate of groundwater moving to the sump is based on transmissivity calculated from a bedrock aquifer test near the proposed point of diversion. The volume of water requested is based on the estimated dewatering requirements.

globalhydrologic@sbcglobal.net

E-mail Address

(775) 787-1300

Phone No.

Ext.

Mark D. Stock

Mark D. Stock  
Type or print name clearly

Signature, applicant or agent

Global Hydrologic Services Inc.

Company Name

561 Keystone, #200

Street Address or PO Box

Reno, NV 89503

City, State, ZIP Code

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**Attachment A**  
**Line 6 (Proposed Place of Use)**  
**of Application 84747 for 601 Sump**

As shown on the map accompanying this application. Specifically, as described below:

T.42N., R.53E. Sec. 1: Lots: 1, 2, 3, 4, S $\frac{1}{2}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$ ; Sec. 2 All; Sec. 11: All, except that portion of the SW $\frac{1}{4}$  SW $\frac{1}{4}$  that is in Basin 036; Sec. 12: W $\frac{1}{2}$ , W $\frac{1}{2}$ E $\frac{1}{2}$ ,

T.43N., R.53 E.: Sec. 35: S $\frac{1}{2}$ SE $\frac{1}{4}$ , Sec. 36: SE $\frac{1}{4}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ , E $\frac{1}{2}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$ ,

T.42N., R.54E.: Sec. 3: that portion of E $\frac{1}{2}$ SW $\frac{1}{4}$  and S $\frac{1}{2}$ SE $\frac{1}{4}$  limited to the County Highway right-of-way in hydrographic basin 044; ~~Sec. 4~~: that portion of Lots 1, 2, 3, 4, 7, and SE  $\frac{1}{4}$  NE  $\frac{1}{4}$  limited to the County Highway right-of-way in hydrographic basin 044; Sec. 10: that portion of N $\frac{1}{2}$ NE $\frac{1}{4}$  and the SE $\frac{1}{4}$ NE $\frac{1}{4}$  limited to the County Highway right-of-way in hydrographic basin 044; Sec. 11: that portion of S $\frac{1}{2}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ , and the SE $\frac{1}{4}$  limited to the County Highway right-of-way in hydrographic basin 044; Sec. 12: that portion of S $\frac{1}{2}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$  SE $\frac{1}{4}$  limited to the County Highway right-of-way in hydrographic basin 044;

T.43N., R.54E.: Sec. 31: S $\frac{1}{2}$ N $\frac{1}{2}$ , S $\frac{1}{2}$ ; Sec. 32: S $\frac{1}{2}$ NW $\frac{1}{4}$ , S $\frac{1}{2}$ ; Sec. 33: that portion of S $\frac{1}{2}$ S $\frac{1}{2}$  limited to the County Highway right-of-way in hydrographic basin 044;

T.42N., R.55E. Sec. 7: that portion of SW $\frac{1}{4}$ SW $\frac{1}{4}$  limited to the County Highway right-of-way in hydrographic basin 044.

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**Attachment B**  
**Line 12 (Project Description)**  
**of Application 84747 for 601 Sump**

Water is to be used to explore, open, operate, dewater, and reclaim a new mine, including, but not limited to, exploration drilling, dust control, reclamation, and revegetation. The application is for enough water to dewater a proposed open pit and adjacent underground workings. There is expected to be full consumptive use for all of the dewatering water, so there will be no discharge.

The project consists of mining and transport activities principally within the "Project Area" as shown on the attached Figure and Plate. The Project includes the following activities and facilities:

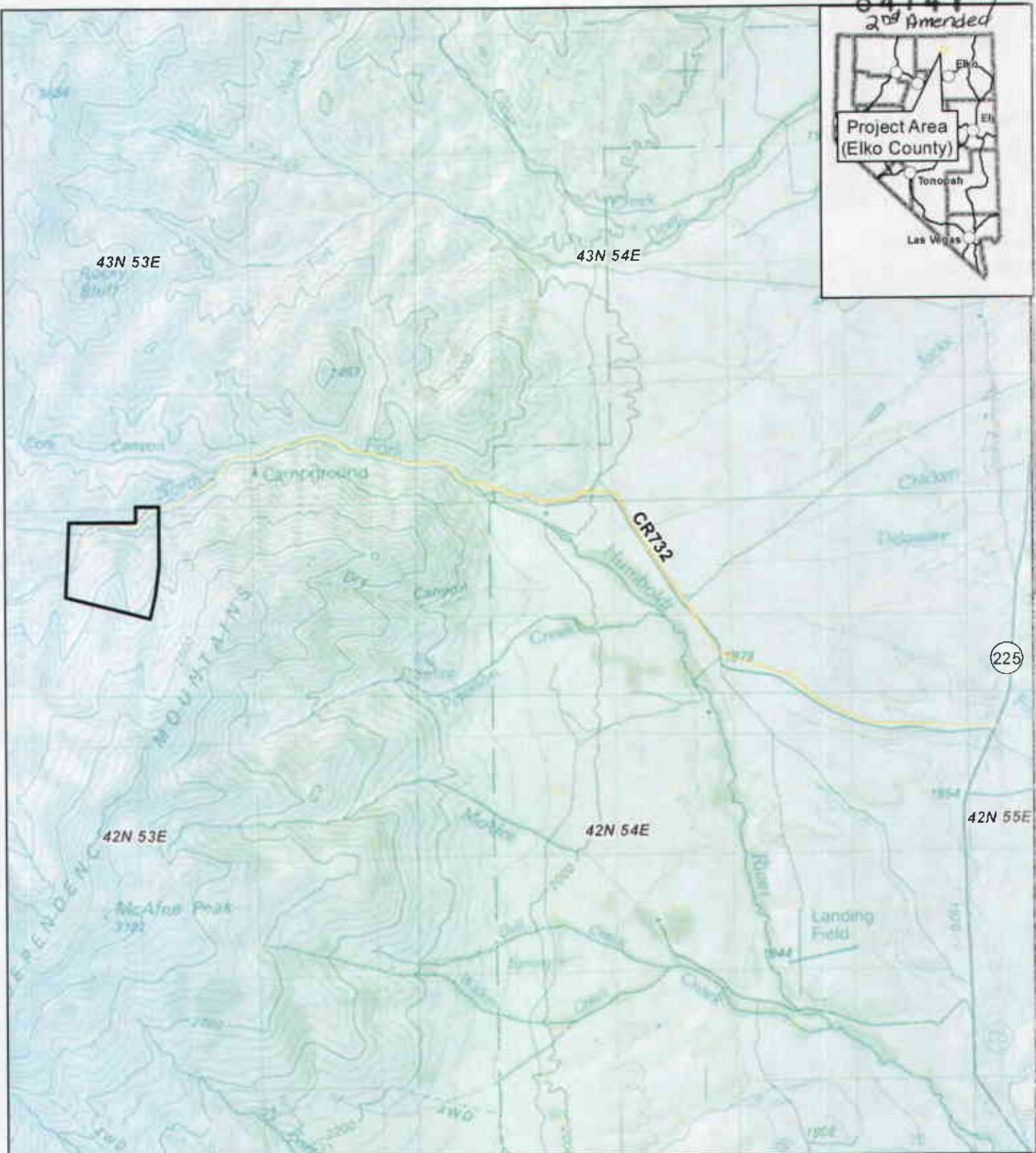
- One open pit (601 Pit);
- Storage of overburden material to be used as backfill into the 601 Pit and as a reclamation cap material for the waste rock disposal area (WRDA);
- Underground mine beneath the 601 and existing 701 Pits, and associated infrastructure.
- Mine access by declines from the 601 Pit and 701 Pit;
- WRDA within the existing North and Thumb pits;
- Run-of-mine (ROM) ore stockpile facility;
- Trucking of ROM ore off site for processing in existing third-party facility at Jerritt Canyon;
- Mine operations office and truck shop facilities;
- Access and haul roads;
- Water pipelines and associated infrastructure; and
- Water/sediment control structures.

Once fully permitted, under current plans the project is expected to be active for two years. Maximum water usage is expected to be 1.0 cubic foot per second, but not to exceed 350 acre-feet per year.

Water will be used for dust suppression on:

- Project area access roads;
- Open pit and underground work areas;
- Ore and waste haul roads;
- Waste rock disposal area during construction and reclamation;
- Facilities, shop and office areas;
- Temporary ore and moraine stockpile areas;
- 8.5 miles of county access road from the Project Area to the Mountain City Highway.

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**Explanation**

- Project Area
- Project Access Road

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**ANOVA METALS USA LLC**

**BIG SPRINGS MINE PROJECT**

Project Area and Access

Figure 1

0 1 2 Miles

Date: 04/23/2014	Drawn by: GRS
Revised:	Project No: 3102
Base Map: USGS 1:50K Scale, 40' Contour, 1984	Client: Mountain
File Name: 3102X_Figure2_LocAccess.mxd	



